

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended): A transmitter system, comprising:
 - a spreading code generator that produces a spreading code;
 - a spreader that combines the spreading code with an input signal to provide a spread input signal;
 - ~~a mixer for frequency converting the spread input signal to provide an upconverted spread input signal;~~
 - a signal converter that converts the ~~upconverted~~ spread input signal from a first domain to a second domain to provide a converted spread input signal;
 - ~~a mixer for frequency converting the converted spread input signal to provide an upconverted spread input signal;~~
 - a despreader that despreads the upconverted spread input signal to provide a despread signal; and
 - an antenna that transmits the despread ~~input~~ signal.
- 2-4. (Cancelled).
5. (Previously Presented) The transmitter system of claim 1, further comprising a feedback loop coupling the despreader to the spreader for time aligning the despreading with the spreading.
6. (Previously Presented) The transmitter system of claim 1, wherein the first domain is one of a digital domain and an analog domain and the second domain is the other of the digital domain and the analog domain.

7. (Cancelled)

8. (Previously Presented) The transmitter system of claim 1, wherein the signal converter is one of a delta-sigma analog-to-digital converter (ADC) and a delta-sigma digital-to-analog converter (DAC).

9. (Previously Presented) The transmitter system of claim 1, further comprising a clipping component that reduces peaks associated with the spread input signal, the despreader mitigates degradation and out-of-band (OOB) emissions associated with the peak reduction.

10. (Previously Presented) The transmitter system of claim 1, wherein at least one of the spreader and the despreader circuit comprises a mixer.

11. (Cancelled).

12. (Cancelled).

13. (Currently Amended) A signal conversion transmitter system comprising:
a spreading code generator that produces a direct sequence spread spectrum (DS-SS) spreading code;
a spreading circuit that receives an input signal and combines the input signal with the DS-SS spreading code to provide a spread input signal;
a clipping component that reduces peaks associated with the spread input signal; and a signal converter that converts the spread input signal from a first domain to second domain;
a despread circuit that despreads the peak reduced spread input signal; and an antenna for transmitting the despread peak reduced input signal.

14. (Original) The system of claim 13, wherein at least one of the spreading circuit and despreading circuit comprises a mixer.
15. (Currently Amended) The system of claim 13, ~~further comprising a signal converter that converts the spread input signal from a first domain to second domain~~, the signal converter being one of a digital-to-analog converter (DAC) and an analog-to-digital converter (ADC).
16. (Original) The system of claim 15, the signal converter being one of a delta-sigma DAC and a delta-sigma ADC.
17. (Cancelled).
18. (Original) The system of claim 15, further comprising a mixer for frequency converting the spread input signal one of before signal conversion and after signal conversion.
19. (Previously Presented): A method for transmitting a signal, comprising:
 - spreading a digital signal with a spreading signal code;
 - converting the digital spread signal to an analog signal;
 - modulating the analog signal to produce an upconverted analog signal;
 - despread the upconverted analog signal to provide a despread signal; and
 - transmitting the despread signal.
- 20-24. (Cancelled).
25. (Original) The method of claim 19, further comprising clipping the signal to reduce peaks associated with the signal.

26. (Currently Amended): A ~~communication device~~ transmitter comprising:

means for generating a direct sequence spread spectrum (DS-SS) spreading code;

means for combining the DS-SS spreading code with an input signal to produce a spread input signal

means for clipping the spread input signal to remove peaks;

means for converting the spread input signal from a first domain to a second domain; ~~and~~

means for despreading the spread input signal in the second domain; ~~and~~

means for transmitting the despread input signal.

27. (Cancelled).